



State of Utah

Department of
Environmental Quality

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DIVISION OF AIR QUALITY
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DAQ-078-07

MEMORANDUM

TO: Air Quality Board

THROUGH: Cheryl Heying, Executive Secretary

FROM: Mat Carlile, Environmental Planning Consultant

DATE: November 1, 2007

SUBJECT: PROPOSE FOR PUBLIC COMMENT: Amend R307-401-14. Used Oil Fuel Burned for Energy Recovery.

While reviewing R307 for references to the Code of Federal Regulations (CFR) we noticed that the definition of "boiler" in R307-401-14 was not consistent with the Solid and Hazardous Waste rules. Therefore we are asking the Board to reference the Solid and Hazardous Waste definition of "boiler" that is used in R307-315-1-1(b). *Definitions*, rather than referencing 40 CFR to ensure the Air Quality rules are consistent with the Solid and Hazardous Waste rules.

Staff Recommendation:

Staff recommends that, R307-401-14 be proposed for public comment.

R307. Environmental Quality, Air Quality.**R307-401. Permit: New and Modified Sources.****R307-401-14. Used Oil Fuel Burned for Energy Recovery.**

(1) Definitions.

"Boiler" means boiler as defined in R315-1-1(b) ~~[that incorporates by reference the term "boiler" in 40 CFR 260.10, 2000 ed., as amended by 67 FR 2962, January 22, 2002].~~

"Used Oil" is defined as any oil that has been refined from crude oil, used, and, as a result of such use contaminated by physical or chemical impurities.

(2) Boilers burning used oil for energy recovery are exempted from the requirement to obtain an approval order in R307-401-5 through 8 if the following requirements are met:

(a) the heat input design is less than one million BTU/hr;

(b) contamination levels of all used oil to be burned do not exceed any of the following values:

(i) arsenic - 5 ppm by weight,

(ii) cadmium - 2 ppm by weight,

(iii) chromium - 10 ppm by weight,

(iv) lead - 100 ppm by weight,

(v) total halogens - 1,000 ppm by weight,

(vi) Sulfur - 0.50% by weight; and

(c) the flash point of all used oil to be burned is at least 100 degrees Fahrenheit.

(3) Testing. The owner or operator shall test each load of used oil received or generated as directed by the executive secretary to ensure it meets these requirements. Testing may be performed by the owner/operator or documented by test reports from the used fuel oil vendor. The flash point shall be measured using the appropriate ASTM method as required by the executive secretary. Records for used oil consumption and test reports are to be kept for all periods when fuel-burning equipment is in operation. The records shall be kept on site and made available to the executive secretary or the executive secretary's representative upon request. Records must be kept for a three-year period.

KEY: air pollution, permits, approval orders

Date of Enactment or Last Substantive Amendment: June 16, 2006

Notice of Continuation: July 13, 2007

Authorizing, and Implemented or Interpreted Law: 19-2-104(3)(q); 19-2-108